

# Drills:

## Preparedness and Response

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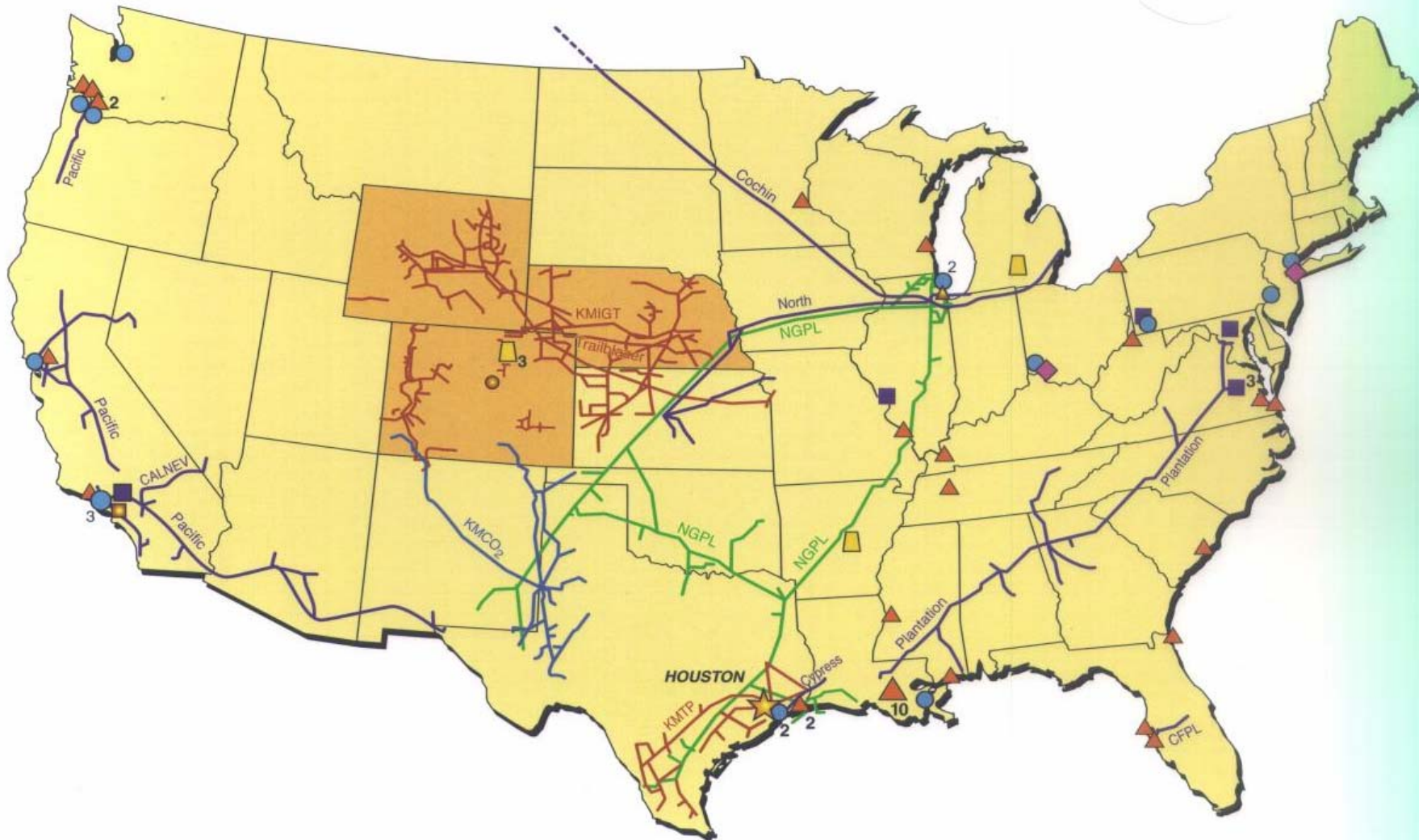
# Overview of Presentation

- About Kinder Morgan (KM)
- KM Drills Program
  - Types of Drills
  - How KM Conducts Drills
- What Is Important In Drills
- Observations and Lessons Learned

# Kinder Morgan Energy Partners (KM)

- In United States:
  - Operate in 36 States
  - 25,000 Miles of Pipelines
  - 145 Terminals (Liquids, Chemicals, Dry Bulk)
- In California
  - Approx. 1900 Miles of Products Pipelines
  - 17 Terminals

# KM Facilities – USA



# KM Drills & Exercises Program

- **Goals:**

- To Have All Employees That Could Be Involved In An Incident Trained & Ready To Effectively & Efficiently Respond
  - First Responders: Those Located Closest To Incident
    - Operations & Maintenance Personnel
  - “Strike Team”
    - Assistance From Orange Office & Houston
      - » Environmental
      - » Public Information
      - » Logistics, Consultants, Other Support
  - Crisis Support Team (Major Incident)
    - Support In All ICS Categories

- **Process:**

- Early Communication Utilizing “Meet Me” Line

# Goals of Drills Program – continued

- Test Employee Knowledge Of and Adequacy Of Emergency Response Plan
  - Train New Employees So Using Plan Is “Automatic” When Incident Occurs
  - Look For Areas Of Improvement In Emergency Response Plan
    - Improved Forms
    - Example: Site Specific Safety Plan
- Compliance With Regulations

# KM: Conducting Drills & Exercises

- **History**
  - Involved Since Early 1990's
    - Development of NPREP Guidelines
    - KM Has Completed Hundreds Of Drills
- **Drills For Terminals & Pipelines**
  - Area Manager Structure (Geographic Areas)
    - Responsible For Both Terminals & Pipeline Sections
- **Utilize One Integrated Emergency Response Plan**
  - Differences In Terminal & Pipeline Drills
    - Terminals: Tank/Manifold Scenarios
      - Contain On Property
    - Pipelines: Flow Of Product Scenarios
      - Containment
      - Effect On Public

# KM: Conducting Drills & Exercises - continued

- Utilize Consultant To Assist In Organizing, Conducting, and Documenting Drills
  - Work With Operations To Develop Scenario
  - Select Date & Time Of Drill
  - Type of Drill
    - Tabletop – Equipment Deployment – Role Playing
  - Handle Logistics (Location; Invitations)
  - Conduct Preliminary Training: NIMS, Hazwoper, etc.
  - Assist In Conducting Drill
    - Critique
  - Documentation



# Important Items In Designing & Conducting Drills

- Concentrate On Areas That Need The Most Attention (Drill On The Weak Spots)
  - Most Employees Have Been Through Many Drills
  - New Integrated Emergency Response Plans
  - Revised Forms: NIMS
  - Changing Agency Requirements or Focus
    - Example: Terminal Drills For Product Off Site (many miles)
- Preference: Invite Response Agencies To Attend And Participate In Drills
  - Local Fire Departments Usually Attend
  - Invite Other Agencies

# Important Items In Designing & Conducting Drills - continued

- Preference: Active Participation By Governmental Response Agencies Versus Just Observing & Critique
  - Drill & Incident: Orange Terminal Drill & Actual Response Two Days Later
  - Example of Agencies:
    - USCG, EPA; DOT;
    - Ca. SFM; Ca. OSPR; Ca. Regional Water Boards
    - Local Fire, Police, Hazmat

# Observations and Lessons Learned

- A Major Advantage In An Actual Incident If Responsible Party (RP) Has Drilled With An Agency
  - Familiarization With People, Forms, & Procedures
  - Develop Relationships & Trust
  - Familiarization With Facilities and Locations
    - Drills Followed By Tours Of Facilities
  - Able To Focus On The Incident Versus Paperwork/Forms Details
  - Already Know What Process Is Needed

# Observations and Lessons Learned continued

- Use of Hard Covered Folders For Each ICS Position
  - Incident Commander; Safety; Operations; Liaison; Public Information; Logistics; Planning;
  - Includes Forms, Check Lists, etc.
- Be Innovative In Developing Scenarios
  - Security Issues (Including F.B.I.)
  - Joint Agency Drills

# Observations and Lessons Learned continued

- Kinder Morgan Emergency Response  
Technical Working Group
  - Members Are Responsible For Response In  
Various KM Business Units Around The USA
    - Liquids, Natural Gas, Dry Bulk
  - Share Information
  - Develop Common Methodology Where  
Appropriate

# Observations and Lessons Learned

## continued

- Documentation For Drills
  - Retention Periods May Vary By Agency
  - Notification Drill Records
- For Actual Incidents: Err On The Side Of Excess Resources At Beginning Of Incident.
  - Information At Beginning Of Incident Is Often Limited and/or Inaccurate
  - Mobilize Vacuum Trucks, Environmental Crews, Contractors, etc.
    - If In Doubt, Mobilize. They Can Always Be Turned Back

# Thank You

Website:  
[www.kindermorgan.com](http://www.kindermorgan.com)

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